

# Threading Tools of CARD Quality

**Fewer Taps  
and More Threads  
with  
CARD  
Spiral Pointed Taps**

In tapping long through holes, especially in tough stock such as aluminum, cold-rolled steel, forgings, brass, bronze, copper, etc., it pays to use CARD Spiral Pointed Taps. They were designed for just these conditions.

Long and careful experiment has determined the exact form of the CARD Spiral Pointed Tap, and like all the rest of the CARD line it will do the work it is designed for.



*They force the chips ahead*  
Hand Taps

Dia. Tap In.	Price Each	No. of Threads		No. of Flutes	Dia. Tap In.	Price Each	No. of Threads		No. of Flutes
		U. S. F.	S. A. E. Std.				U. S. F.	S. A. E. Std.	
1	\$0.45	40	..	2	1	\$1.00	11	18	3
1 1/8	.50	24, 32	..	2	1 1/8	1.15	11	16	3
1 1/4	.55	20, 24, 32	28	2	1 1/4	1.30	10	16	3
1 3/8	.60	18, 20, 32	24	2	1 3/8	1.55	10	..	3
1 5/8	.65	16	24	2	1 5/8	1.75	9	14, 18	4
1 7/8	.65	14	20	3	1 7/8	2.00	9	..	4
2	.75	13	20	3	2	2.20	8	14	4
2 1/8	.90	12	18	3	..	..	..	..	..



*They force the chips ahead*  
Machine Screw Taps A. S. M. E. Standard

Screw Gage No.	Price Each	Number of Threads to the Inch		No. of Flutes	Screw Gage No.	Price Each	Number of Threads to the Inch		No. of Flutes
		Std.	Also Furnished				Std.	Also Furnished	
3	\$0.60	56	48	2	10	\$0.50	30	24, 28, 32	2
4	.50	48	32, 36, 40	2	12	.55	28	24, 32	2
5	.45	44	36, 40	2	14	.55	24	20	2
6	.45	40	32, 36	2	16	.55	22	18, 20	2
7	.45	36	30, 32	2	18	.60	20	18	2
8	.45	36	30, 32, 40	2	20	.60	20	16, 18	2
9	.45	32	24, 30	2	..	..	..	..	..

Regular hand and machine screw tap discounts apply  
Write for details and prices



**S.W.CARD MANUFACTURING CO.**  
DIVISION OF UNION TWIST DRILL CO.

MANSFIELD

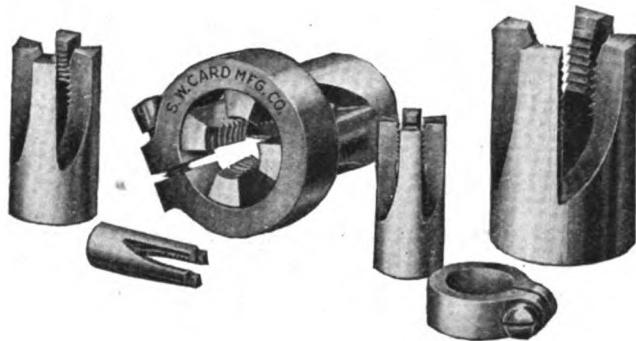
MASSACHUSETTS

U.S.A.

DOMESTIC REPRESENTATIVES: Pittsburgh, Somers, Fitter & Todd Co., 327 Water St.; Mill Supply Co., Erie, Pa.; Philadelphia Diamond Specialty & Supply Co., 15 North 6th St.; St. Louis, Handlan-Buck Mfg. Co.; Wayne Hdw. Co., Ft. Wayne, Ind.; The Bond Supply Co.; Kalamazoo, Mich.; Indianapolis, Vonnegut Machinery Co.; 19 West South St.; San Antonio Machinery & Supply Co., San Antonio, Texas; Georgia Mill Supply Co., Albany, Ga.; Atlantic Supply Co., Norfolk, Va.; Meadow-Price Co., Roanoke, Va.

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*These dies are particularly adapted to screw machine work. A trial order will show you their quality. Catalog No. 30 is the latest.*

## No Trouble with the Prongs of CARD Spring Dies —they close evenly—

—because they are heat treated by a CARD special process, thus eliminating a common trouble of spring dies.

CARD Spring Dies are relieved like a hand tap. They can be readily sharpened when dull by grinding the cutting faces and the muzzle end of the die. Users say they have longer life, produce a better quality of work and are more durable than round dies.

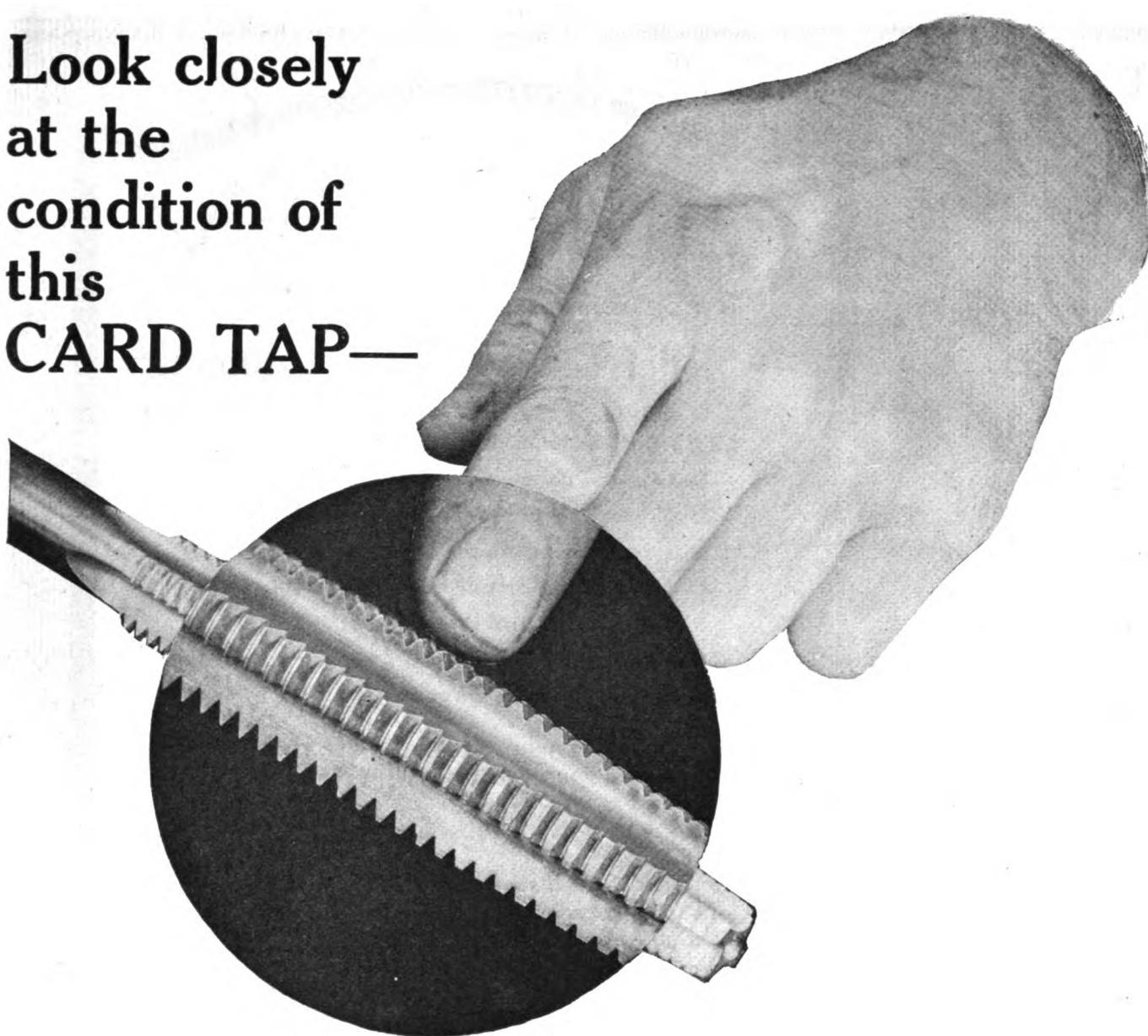


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MANSFIELD, MASSACHUSETTS, U.S.A.

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**Look closely  
at the  
condition of  
this  
CARD TAP—**



**—it has just finished  
tapping seventeen thousand  
one hundred steel nuts  
—without a grind—**

This stock CARD Tapper Tap,  $\frac{3}{4}$  in., 10 U.S.S., put in ninety-five solid hours of operation. It tapped 17,100 steel nuts varying in hardness from 145 to 205 Brinnell test. Many of the holes were punched out of line.

—and all without a single grind.

This is CARD performance. Couldn't it save money for you?



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R. S. STOKVIS & ZONEN, LTD., Rotterdam. V. LOWENER, Drottninggatan, 90 Stockholm, Sweden. HIJO DE MIGUEL MATEU of Barcelona and Bilbao, Spain. R. D'AULIGNAC, Barcelona, Spain. ATELIERS DEMOOR, Brussels, Belgium. A. M. PAPASIDERIS & CO., Athens, Greece. M'ESTRE & BLATGE, Rio de Janeiro, Brazil. Buenos Aires, Argentine Republic.

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## Staybolt Taps trade marked for certain satisfaction—

The mark on the shank of these CARD Staybolt Taps means that they will stand the hardest of motor driving; that they will deliver uniformly accurate results as to size and lead; in the last analysis, that they will cut down the cost per threaded hole.

This result is assured by the mark of CARD on the shank. For that mark means that forty-eight years of honest, conscientious, persistent effort is built into the tap.

**Be on the safe side—keep the CARD Catalog No. 30 where you can refer to it. If you haven't a copy, write us.**



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DIVISION OF UNION TWIST DRILL CO.,**

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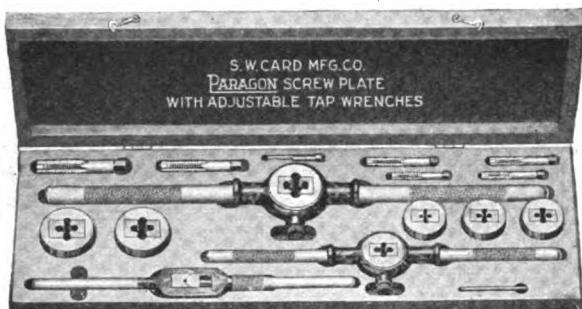
**It is easy to  
make the right  
selection in  
this extensive  
line of screw plates**

There are one hundred and twenty-six screw plates in the CARD Line. Nothing but the broad distribution of the CARD product enables us to manufacture and stock up this complete line.

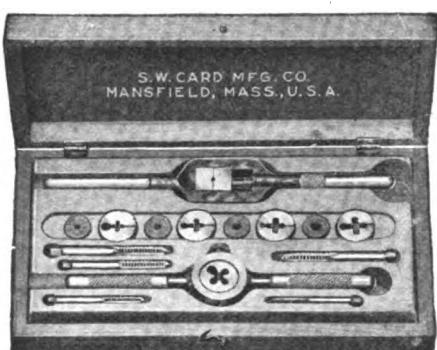
And it is a complete line. It includes screw plates for every need, with one characteristic in common—uniformity of excellence.

**Keep the Card Catalog Handy**

List No. 500  
Paragon Screw  
Plate with  
Guides.



List No. 303  
Improved  
Screw Plate  
with Guides



List No. 301  
Diamond  
Screw Plate  
without  
Guides.



List No. 401 Watch-  
maker's Screw Plate.



  
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